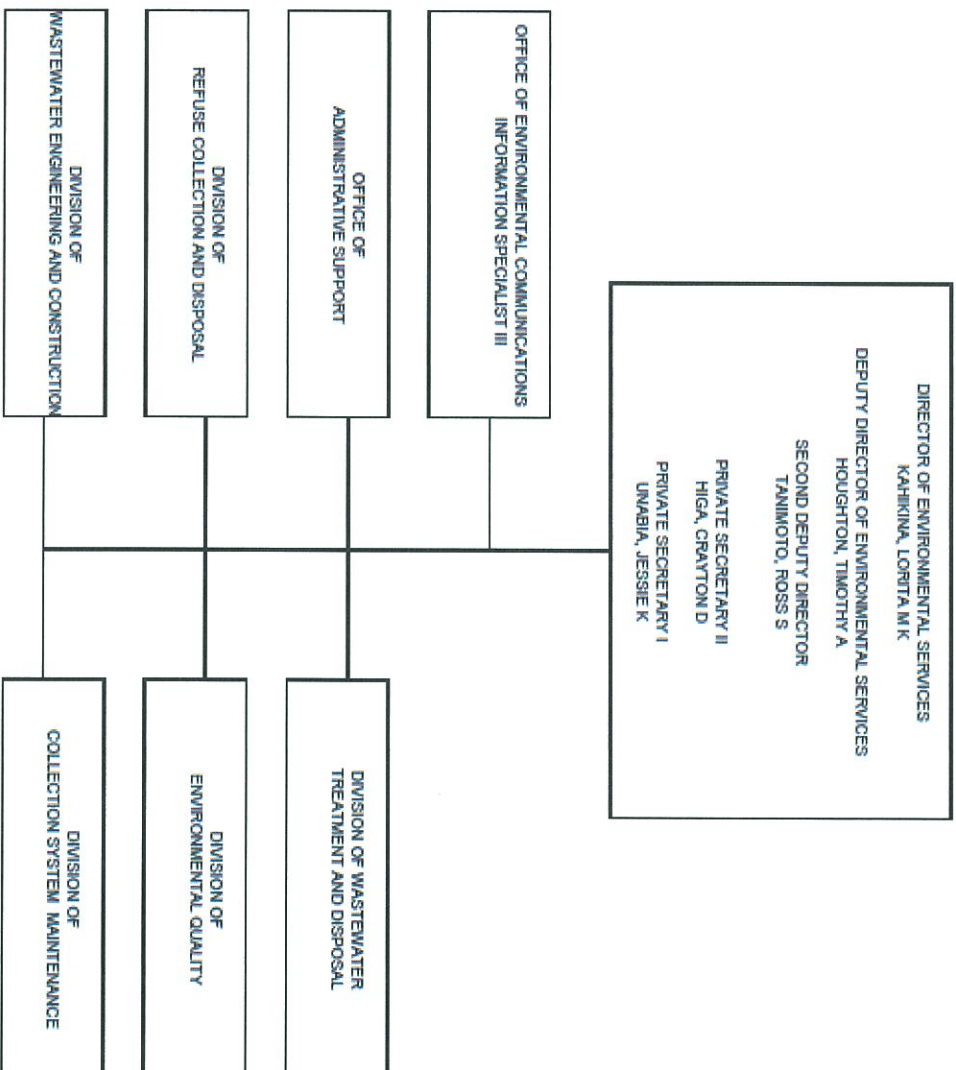




DEPARTMENT OF ENVIRONMENTAL SERVICES FY 2019 CAPITAL AND OPERATING BUDGET REQUEST

March 27, 2018

DEPARTMENT OF ENVIRONMENTAL SERVICES



ENV Departmental Programs

FY 2019 BUDGET

	FY 18	FY 19	\$ Change	% Change
Operations	\$382,452,649	396,076,490	13,623,841	+3.6
Debt Service	215,485,189	231,489,178	16,003,989	+7.4
Capital Program	690,854,168	456,695,316	-234,158,852	-33.9
Total	\$1,288,792,006	1,084,260,984	-204,531,022	-15.9

ENV FY2019 CIP

Wastewater -	\$401,511,690
Sewer Revenue Bonds -	\$ 204,250,000
Sewer Cash -	\$ 197,261,690
 Solid Waste -	 \$ 55,183,626
GO Bonds -	\$ 45,311,000
Solid Waste Cash -	\$ 9,872,626

WASTEWATER FY2019 CIP

PAGE NO.	PROJECTS	FY2019 TOTAL	PHASE	EPADOH REQUIREMENT	COMPLETION DEADLINE
254	Ala Moana – Kaka’ako Trunk Sewer – sewer cash funded	\$1,002,000	L, <u>P</u> ,D		
255	Ala Moana Wastewater FM No. 2 System – sewer cash funded	\$1,001,000	<u>P</u> ,D	2010 Consent Decree; Force Main Assessment Follow-up	12/2021
258	Ala Moana WWPS No. 3 and Sewer Improvements	\$1,002,000	L, <u>P</u> ,D		
267	Beachwalk WWPS Force Main System – sewer cash funded	\$2,503,000	P,D, <u>C</u> ,I	2010 Consent Decree; Force Main Assessment Follow-up	9/1/2019
268	Beretania Street Sewer Improvements – sewer cash funded	\$151,000	P, <u>D</u>		
272	Dowsett Highlands Relief Sewer	\$1,002,000	D,C, <u>I</u>	2010 Consent Decree	6/30/2020
278	Hart Street/ Waiakamilo Road Replacement Sewer – sewer cash funded	\$9,902,000	P, D, <u>C</u> , <u>I</u>		
281	Hele Street Sewer Relief/Rehabilitation, Kailua – sewer cash funded	\$10,601,000	D, <u>C</u> , <u>I</u>	2010 Consent Decree	after 2020 allowed

WASTEWATER FY2019 CIP

PAGE NO.	PROJECTS	FY2019 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
282	Honolulu Area WWPS Facilities Improvements – sewer cash funded	\$9,601,000	P, <u>D</u> , <u>C</u> , <u>I</u>		
286	Honouliuli WWTP Secondary Treatment	\$100,501,000	P, <u>D</u> , <u>C</u> , <u>I</u>	2010 Consent Decree; construction NTP by 1/1/2019	6/1/2024
289	Iwilei, King Street, Kokea Street Area Sewer Improvements – sewer cash funded	\$801,000	<u>P</u> ,D		
292	Kahuku WWTP – Septage Receiving, SBR and Sludge Thickening Improvements – sewer cash funded	\$7,802,000	P,D, <u>C</u> , <u>I</u>		
295	Kailua WWTP and Sewer Basin Facilities – sewer cash funded	\$3,000,000	<u>P</u>		
300	Kailua WWTP –Tunnel Influent Pump Station and Headworks Facility	\$102,000	D,C, <u>I</u>	2010 Consent Decree	6/30/2018
301	Kailua WWTP Upgrade, Phase 2	\$28,731,000	P, <u>D</u> , <u>C</u> , <u>I</u>		
302	Kailua WWTP – Primary and Secondary Tank Rehabilitation – sewer cash funded	\$8,802,000	P,D, <u>C</u> , <u>I</u>		

WASTEWATER FY2019 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2019 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
303	Kailua WWTP – TFSC & Biotower System Improvements – sewer cash funded	\$6,602,000	P,D, <u>C</u> ,I		
307	Kamehameha Highway WWPS Force Main System Improvements	\$702,000	P, <u>D</u> , <u>C</u> ,I	2010 Consent Decree	6/30/2020
309	Kamehameha Hwy/Whitmore Avenue Sewer Improvements, Wahiawa – sewer cash funded	\$251,000	<u>P</u> ,D		
321	Moanalua Stream Sewer Replacement/Reconstruction – sewer cash funded	\$501,000	<u>P</u> ,D		
327	Pearl City WWPS, Force Main, and Sewer System Alternatives	\$803,000	P,D,C, <u>I</u>		
328	Project Management for Wastewater Projects - sewer cash funded	\$8,120,000	<u>X</u>	Required to execute mandated projects	n/a
332	Sand Island WWTP and Sewer Basin Facilities – sewer cash funded	\$5,000,000	<u>P</u>		
333	Sand Island WWTP Energy Improvements	\$24,003,000	P,D, <u>C</u> ,I		

WASTEWATER FY2019 CIP

PAGE NO.	PROJECTS	FY2019 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
334	Sand Island WWTP Expansion, Primary Treatment – sewer cash funded	\$1,002,000	D,C,I		
335	Sand Island WWTP Improvements/Upgrade – sewer cash funded	\$6,602,000	P,D,C,I		
336	Sand Island WWTP Outfall Improvements/Rehabilitation	\$14,502,000	D,C,I		
338	Sand Island WWTP Secondary Treatment - sewer cash funded	\$30,500,000	P,D	2010 Consent Decree; Design NTP by 1/1/2019 Phase 1 Construction NTP by 1/1/2022	12/31/2035
340	Sand Island WWTP Air Conditioning Refurbishment - sewer cash funded	\$6,002,000	D,C,I		
344	Sewer Condition Assessment Program - sewer cash funded	\$2,500,000	P	2010 Consent Decree	6/30/2020
345	Sewer Easement Access Improvements – Mililani Effluent Sewer, Pacific Palisades, Aiea, Halawa Heights – sewer cash funded	\$401,000	P,D		

WASTEWATER FY2019 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2019 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
346	Sewer I/I Relief & Rehabilitation Projects - Ala Moana Tributary Basin	\$16,501,000	D, <u>C</u> , <u>I</u>		
348	Sewer I/I Relief & Rehabilitation Projects – Leeward Area – sewer cash funded	\$301,000	P, <u>D</u>		
349	Sewer I/I Relief & Rehabilitation Projects – Windward Area - sewer cash funded	\$6,303,000	L,P, <u>D</u> , <u>C</u> , <u>I</u>		
350	Sewer I/I Relief & Rehabilitation Projects – Windward, Increment 2 – sewer cash funded	\$501,000	<u>P</u> ,D	2010 Consent Decree	after 2020 allowed
351	Sewer Mainline and Lateral Projects - sewer cash funded	\$15,300,000	<u>L</u> , <u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>		
357	Waianae WWTP Improvements/ Upgrade - sewer cash funded	\$11,700,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>		
358	Waianae WWTP Outfall Improvements/Rehabilitation – sewer cash funded	\$1,000,000	<u>P</u> , <u>D</u>		

WASTEWATER FY2019 CIP

PAGE NO.	PROJECTS	FY2019 TOTAL	PHASE	EPA/DOH REQUIREMENT	COMPLETION DEADLINE
365	Waimalu WWPS Modification/Upgrade	\$16,401,000	P,<u>D</u>,<u>C</u>,<u>I</u>		
366	Waimanalo WWTP – Solids System Improvements – sewer cash funded	\$501,000	<u>P</u> ,D		
368	Waipahu WWPS Force Mains Rehabilitation – sewer cash funded	\$802,000	L, <u>P</u> ,D		
369	Waipio WWPS Upgrade – sewer cash funded	\$1,102,000	P, <u>D</u> , <u>C</u> , <u>I</u>		
370	Wastewater Equipment – sewer cash funded	\$12,677,690	<u>E</u>		
371	Wastewater Facilities Replacement Reserve - sewer cash funded	\$5,000,000	<u>X</u>	previous federal grant program requires an emergency reserve	n/a
372	Wastewater Planning and Programming – sewer cash funded	\$325,000	<u>X</u>	Required to execute mandated projects	n/a

WASTEWATER FY2019 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2019 TOTAL</u>	<u>PHASE</u>	<u>EPA/DOH REQUIREMENT</u>	<u>COMPLETION DEADLINE</u>
373	Wastewater Program Management – sewer cash funded	\$2,502,000	<u>P</u> ,D,I	Required to execute mandated projects	n/a
375	Wastewater Treatment Plant, Pump Station, and Force Main Projects – sewer cash funded	\$16,600,000	L, <u>P</u> , <u>D</u> , <u>C</u> , <u>I</u>	includes miscellaneous work required for 2010 Consent Decree	final deadline for coll. sys. work is 6/30/2020
TOTAL =		\$401,511,690			

SOLID WASTE FY2019 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2019 TOTAL</u>	<u>PHASE</u>
2	Procurement of Major Equipment (Solid Waste Equipment) - cash funded	\$9,872,626	<u>E</u>
217	Enhanced Materials Recovery Facility	\$3,004,000	P,D, <u>C</u> ,I,E
220	Kapaa Transfer Station Renovation	\$5,301,000	D, <u>C</u> , <u>I</u>
224	Leeward Refuse Collection Baseyard and Convenience Center	\$3,802,000	D, <u>C</u> , <u>I</u> ,E
226	Refuse Facilities Energy Savings Project	\$1,301,000	D, <u>C</u> , <u>I</u>
227	Refuse Facilities Improvements at Various Locations	\$1,350,000	<u>D</u> , <u>C</u> , <u>I</u>
229	Solid Waste to Energy Facility (H-Power) Access Improvements	\$110,000	<u>C</u> , <u>I</u>
230	Solid Waste to Energy Facility (H-Power) Conversion Technologies	\$13,320,000	<u>P</u>,<u>D</u>,<u>C</u>,<u>I</u>,<u>E</u>

SOLID WASTE FY2019 CIP

<u>PAGE NO.</u>	<u>PROJECTS</u>	<u>FY2019 TOTAL</u>	<u>PHASE</u>
233	Solid Waste to Energy Facility (H-Power) Improvements	\$6,221,000	<u>P</u> , <u>D</u> , <u>C</u> , <u>I</u> ,E
235	Solid Waste to Energy Facility (H-Power) Reconstruction of Ash Building	\$7,200,000	<u>C</u> , <u>I</u>
238	Waimanalo Gulch Landfill – Leachate Disposal Project	\$3,702,000	D, <u>C</u> , <u>I</u> ,E
	TOTAL =	\$55,183,626	

COUNCIL DISTRICT 1
ENV FY2019 CIP
Construction Funding

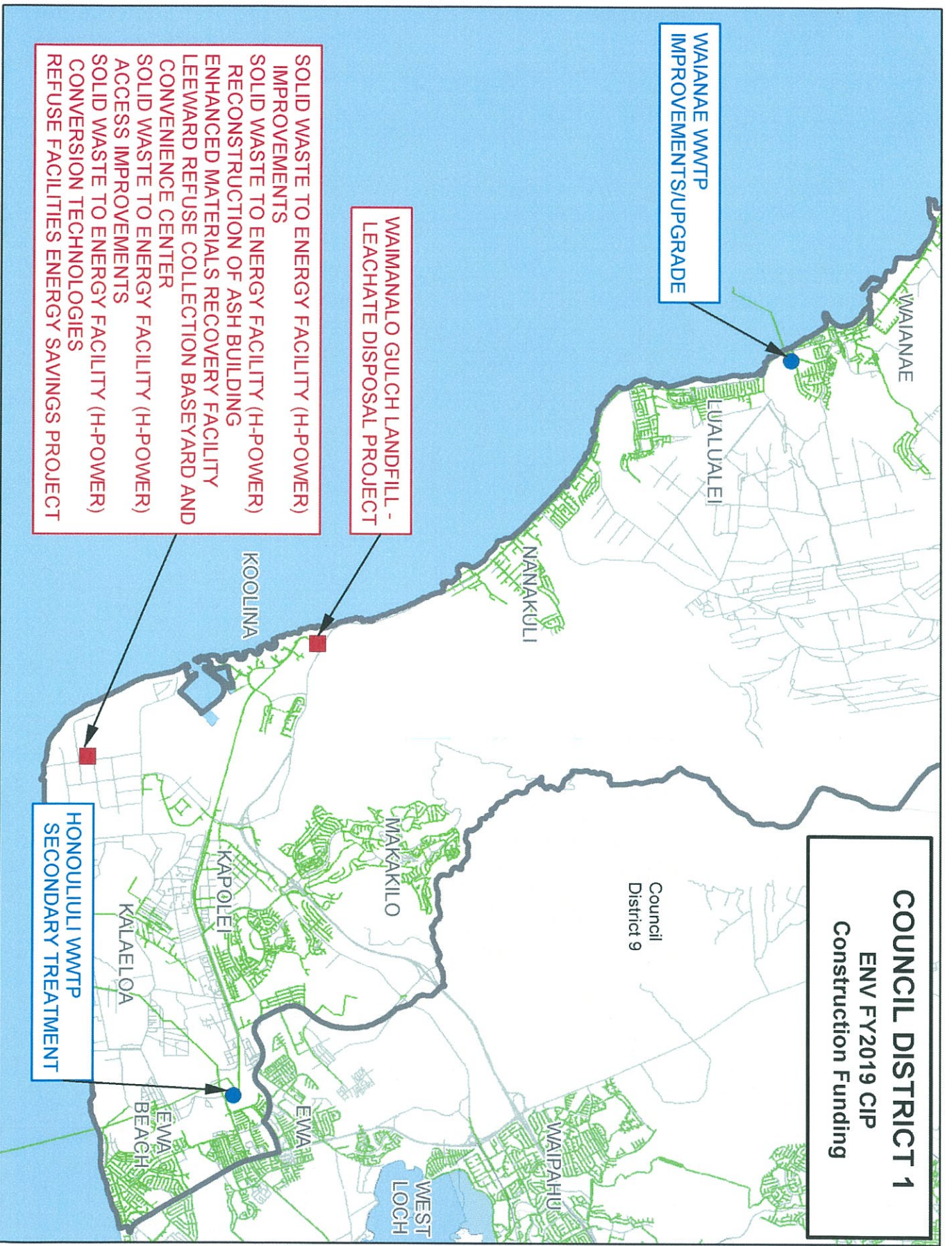
Council
District 9

WAIANAE WWTP
IMPROVEMENTS/UPGRADE

WAIMANALO GULCH LANDFILL -
LEACHATE DISPOSAL PROJECT

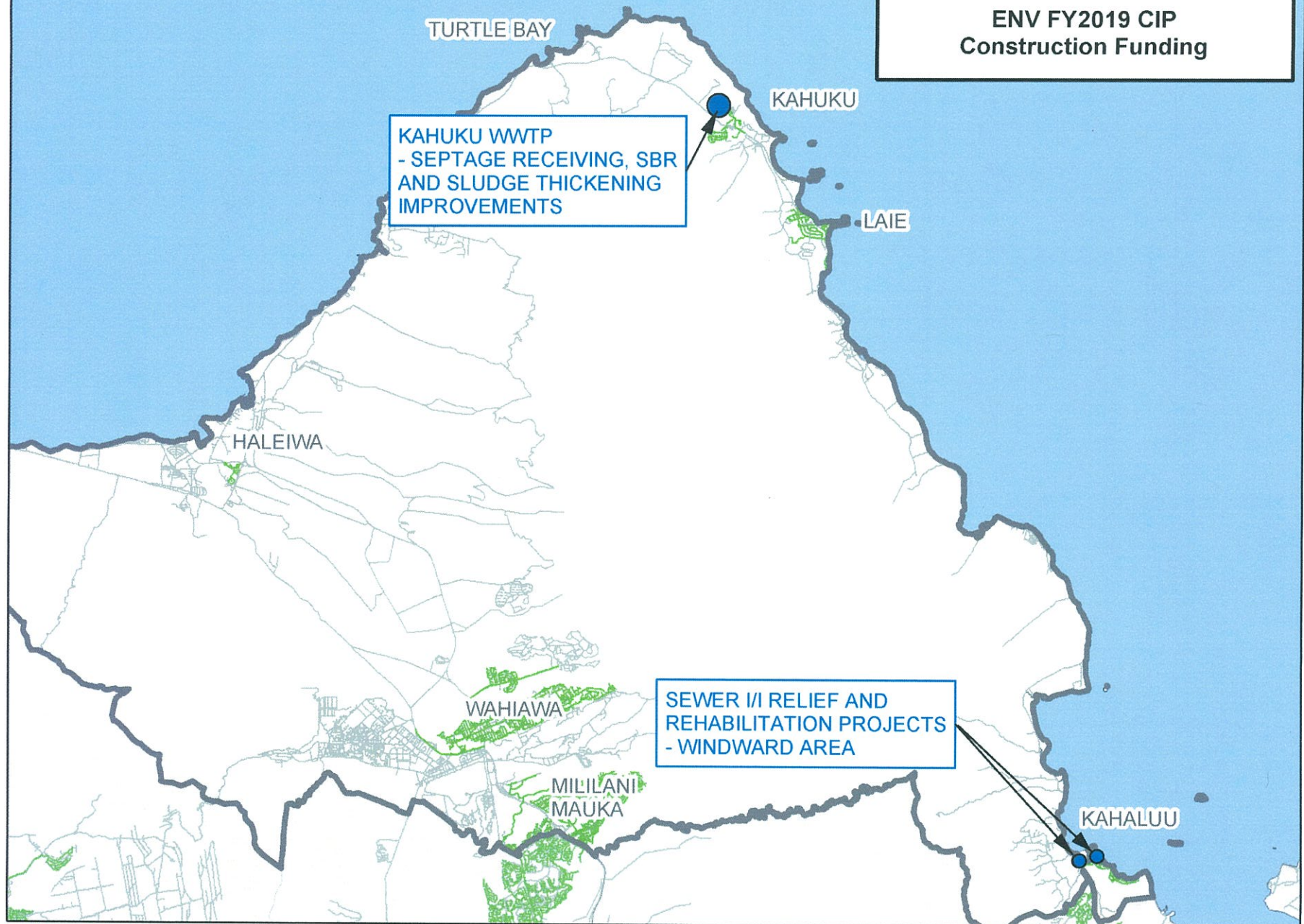
SOLID WASTE TO ENERGY FACILITY (H-POWER)
IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER)
RECONSTRUCTION OF ASH BUILDING
ENHANCED MATERIALS RECOVERY FACILITY
LEEWARD REFUSE COLLECTION BASEYARD AND
CONVENIENCE CENTER
SOLID WASTE TO ENERGY FACILITY (H-POWER)
ACCESS IMPROVEMENTS
SOLID WASTE TO ENERGY FACILITY (H-POWER)
CONVERSION TECHNOLOGIES
REFUSE FACILITIES ENERGY SAVINGS PROJECT

HONOLULU WWTP
SECONDARY TREATMENT



COUNCIL DISTRICT 2

ENV FY2019 CIP
Construction Funding



KAILUA WASTEWATER TREATMENT PLANT
UPGRADE, PHASE 2
KAILUA WASTEWATER TREATMENT PLANT
- PRIMARY AND SECONDARY TANK REHABILITATION
KAILUA WASTEWATER TREATMENT PLANT
- TFSC & BIOTOWER SYSTEM IMPROVEMENTS

COUNCIL DISTRICT 3

ENV FY2019 CIP
Construction Funding

Council
District 2

HELE STREET
SEWER RELIEF/REHABILITATION
KAILUA

KANEOHE

KAILUA

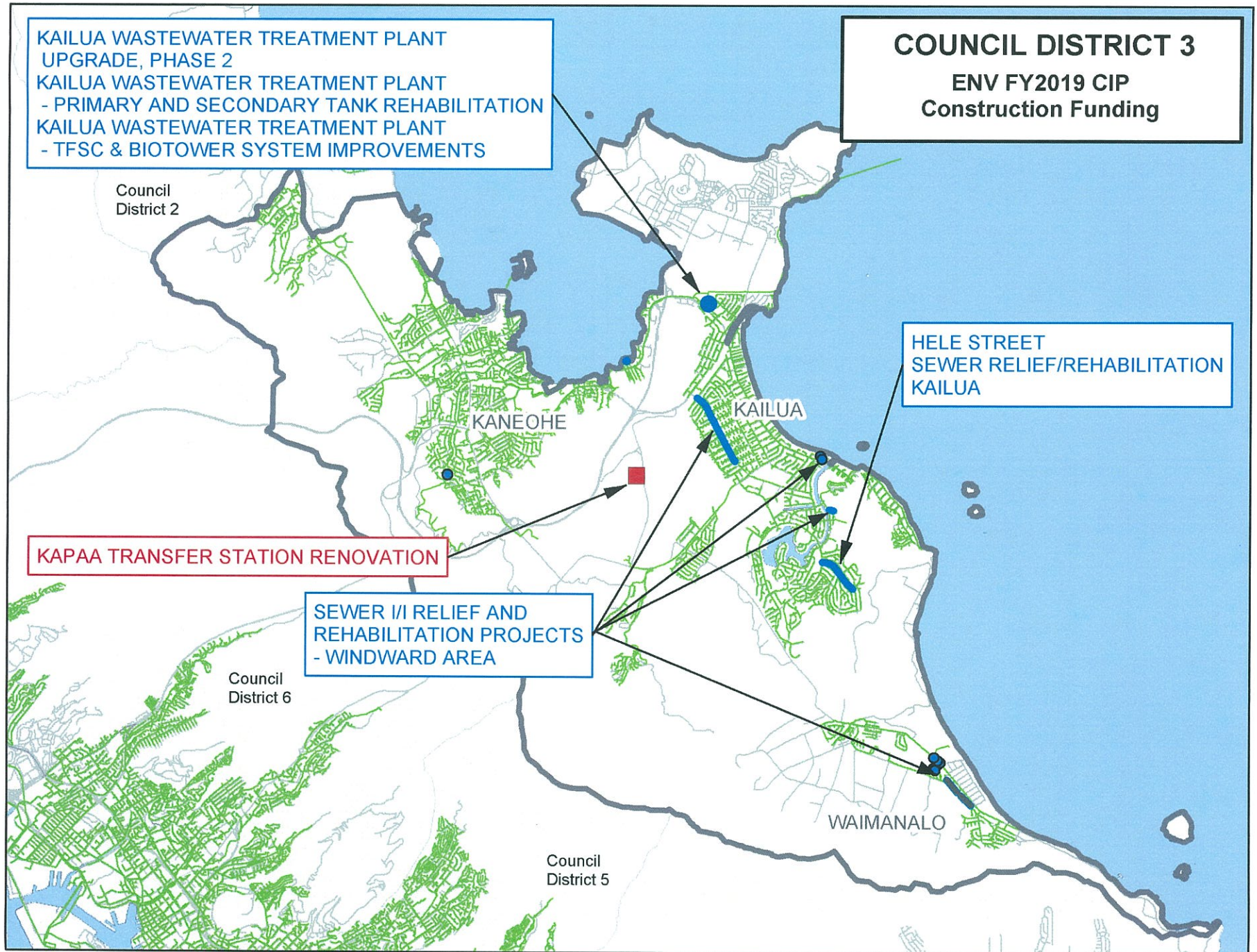
KAPAA TRANSFER STATION RENOVATION

SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- WINDWARD AREA

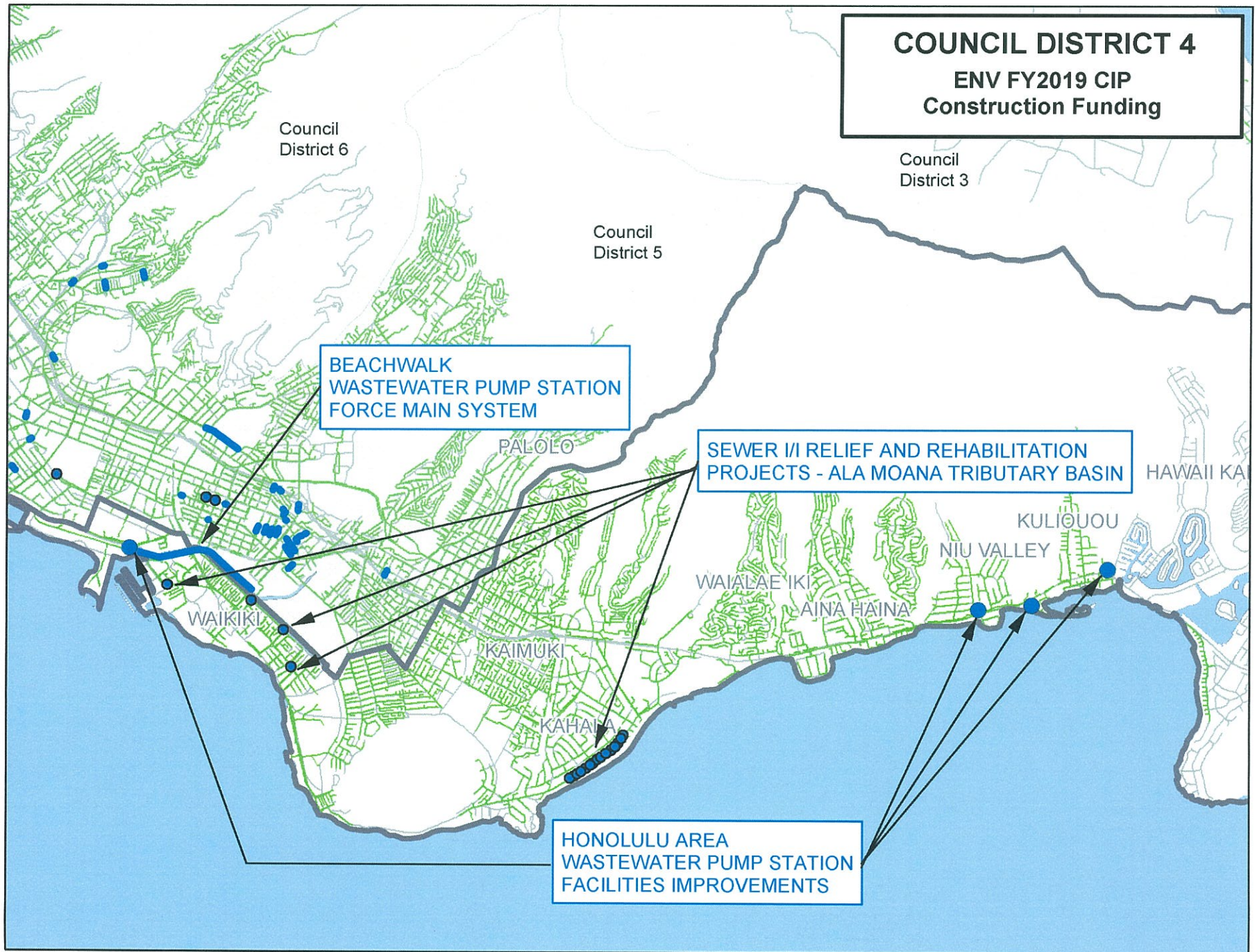
Council
District 6

WAIMANALO

Council
District 5

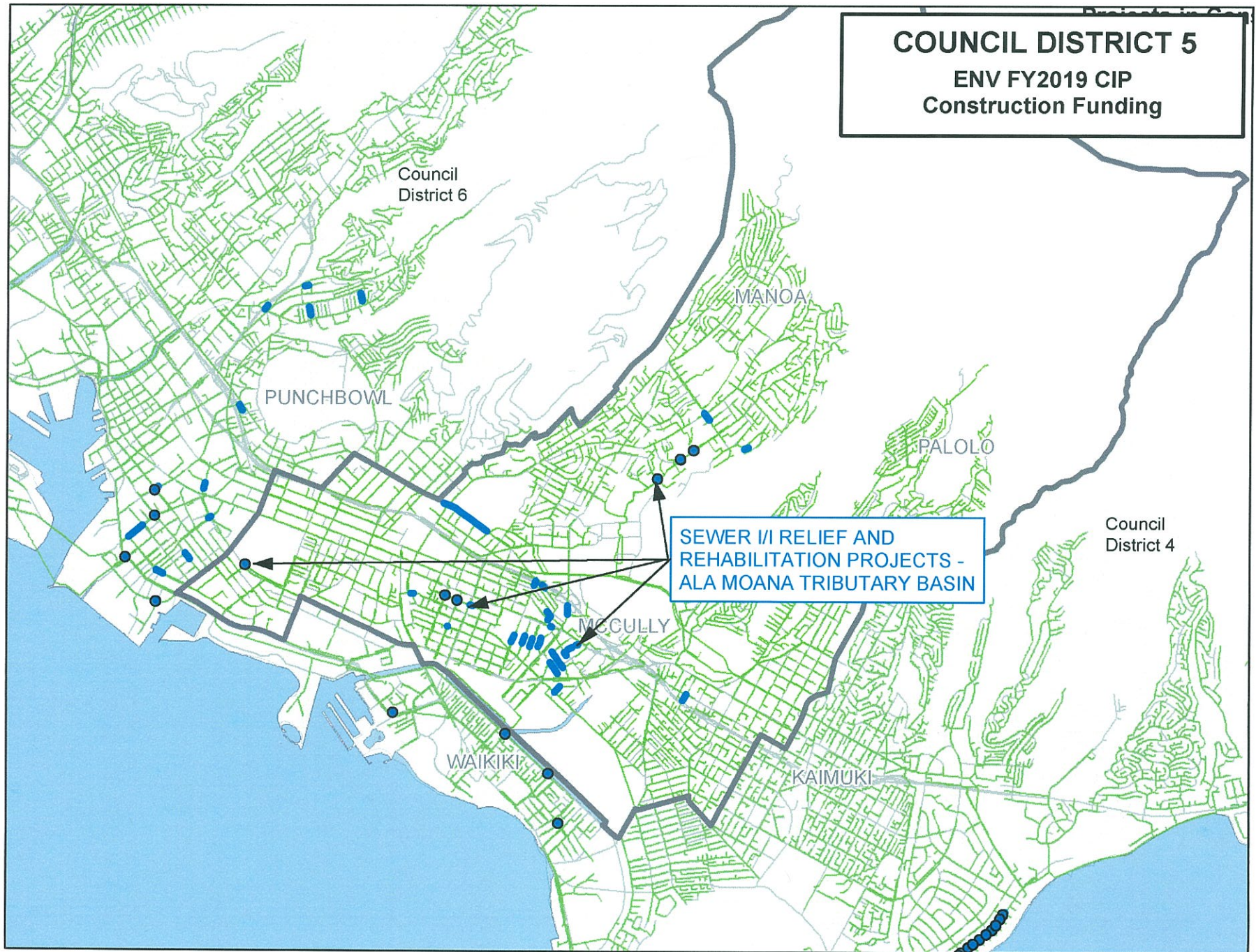


COUNCIL DISTRICT 4
ENV FY2019 CIP
Construction Funding



COUNCIL DISTRICT 5

ENV FY2019 CIP
Construction Funding

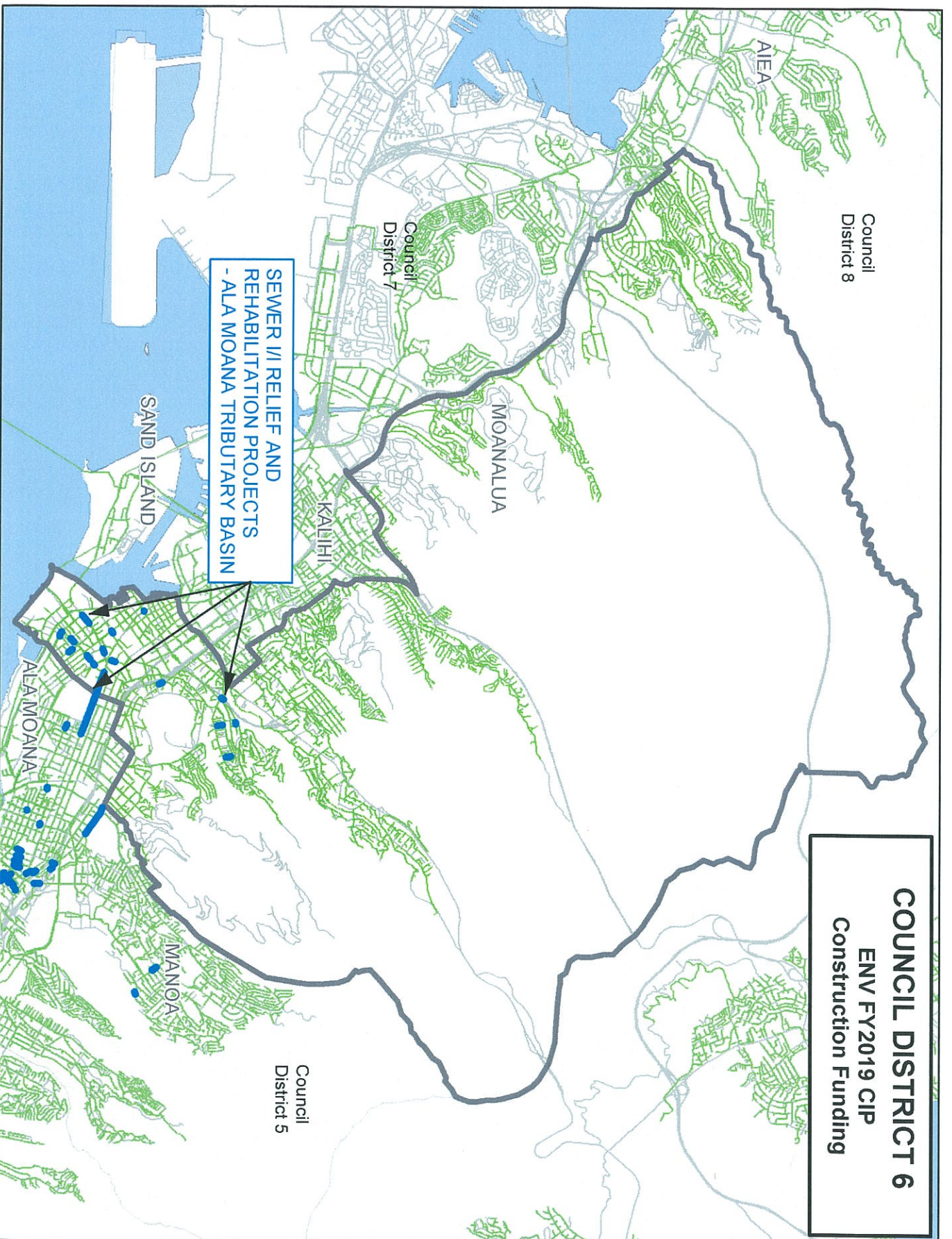


Council
District 8

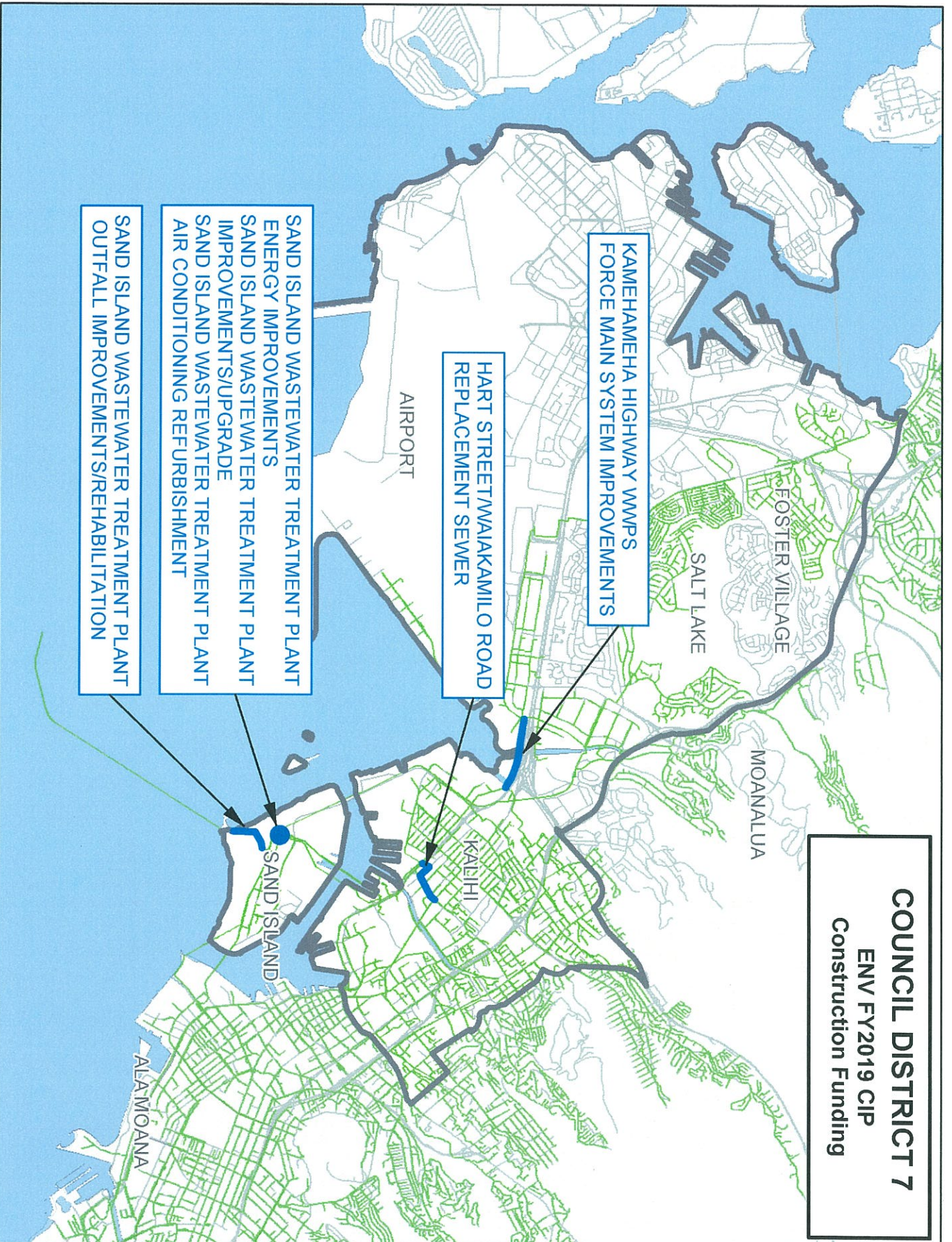
COUNCIL DISTRICT 6
ENV FY2019 CIP
Construction Funding

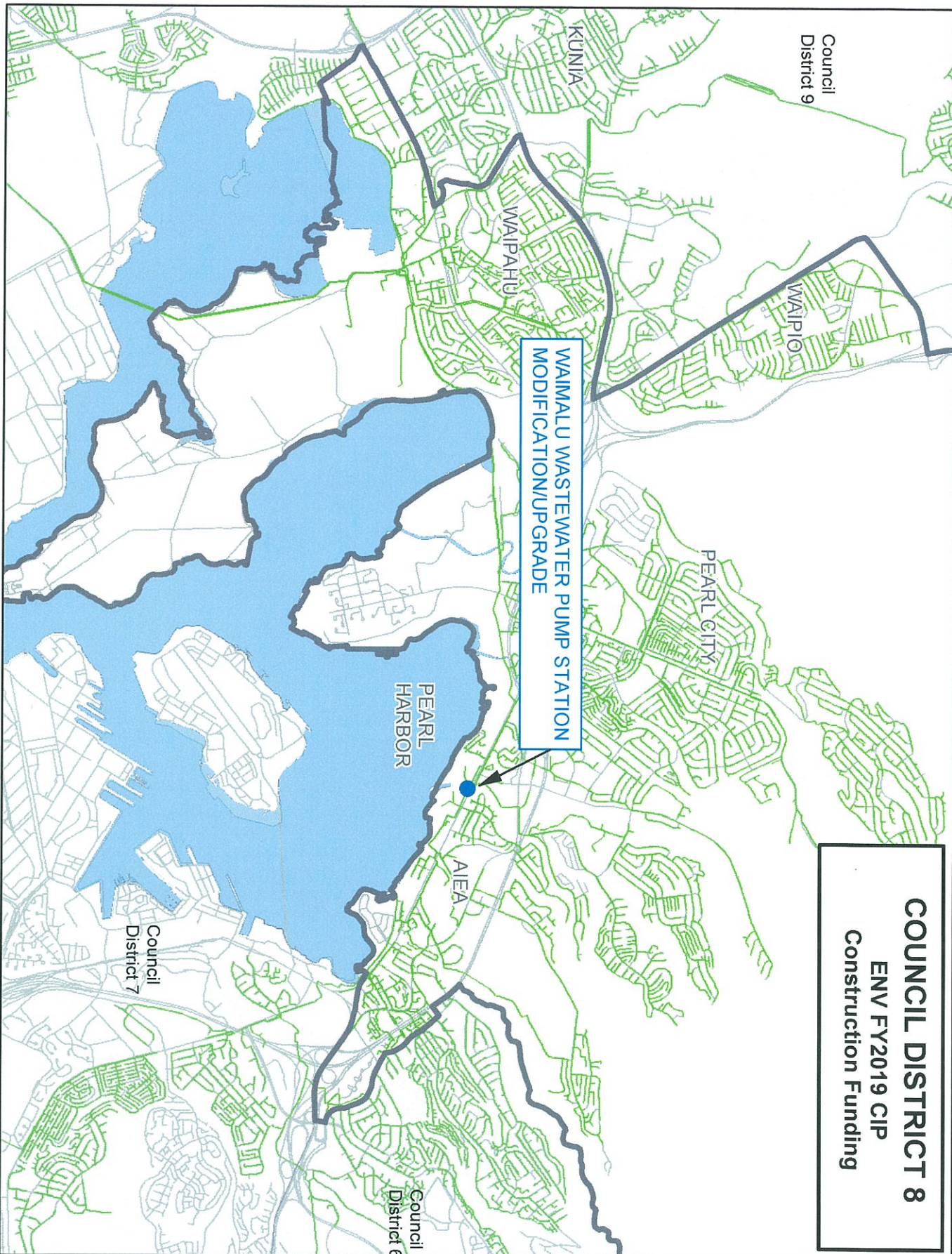
Council
District 7

SEWER I/I RELIEF AND
REHABILITATION PROJECTS
- ALA MOANA TRIBUTARY BASIN



COUNCIL DISTRICT 7
ENV FY2019 CIP
Construction Funding





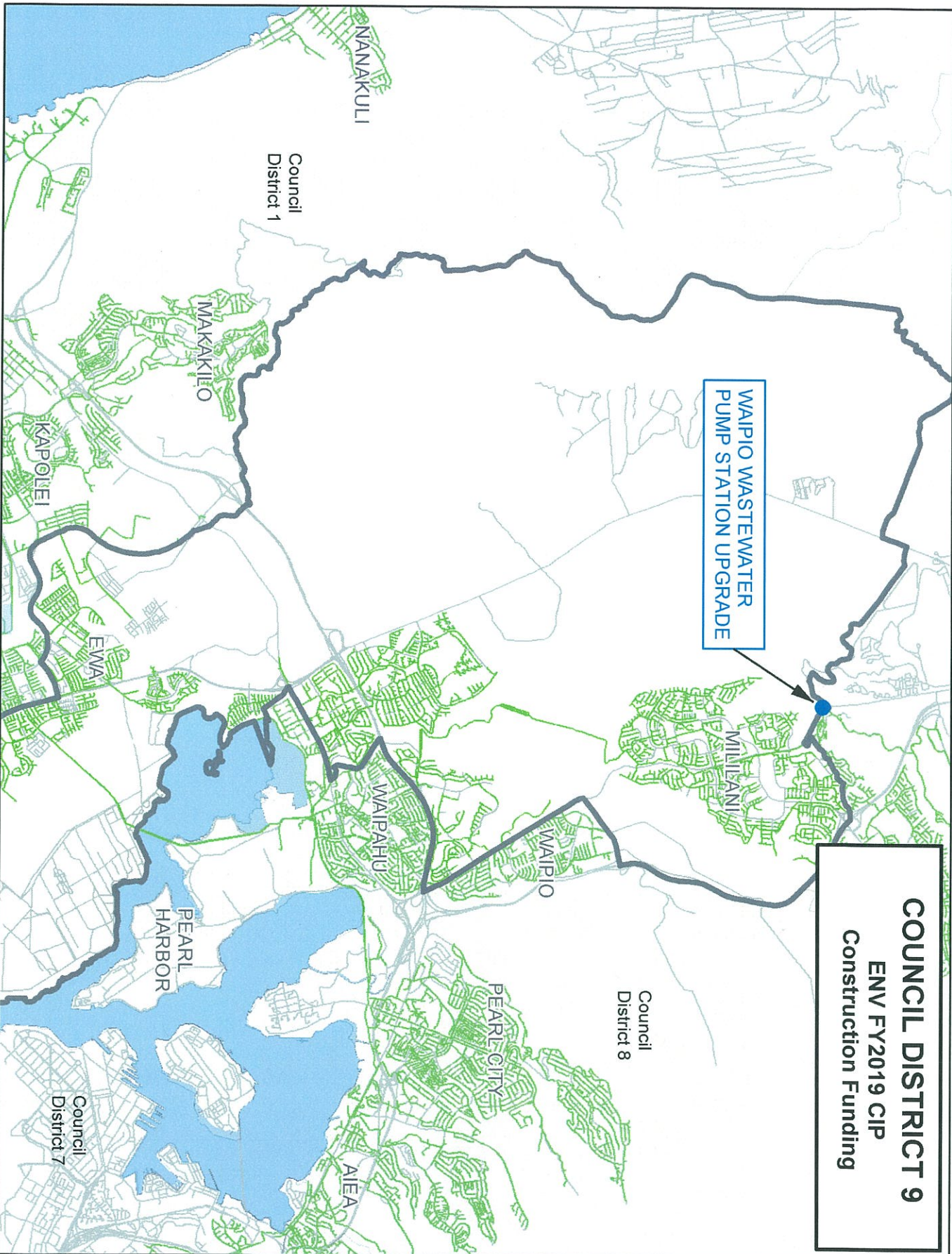
Council
District 9

WAIMALU WASTEWATER PUMP STATION
MODIFICATION/UPGRADE

COUNCIL DISTRICT 8
ENV FY2019 CIP
Construction Funding

Council
District 7

Council
District 6



COUNCIL DISTRICT 9
ENV FY2019 CIP
Construction Funding

FY 2019 DEPARTMENT OPERATING APPROPRIATION

	FY 18	FY 19	\$ Change	% Change
Solid Waste	164,500,738	\$165,457,153	956,415	+.6
Wastewater	120,022,727	125,928,607	5,905,880	+4.9
TOTAL	\$284,523,465	\$291,385,760	6,862,295	+2.4

FY 2019 DEPARTMENT OPERATING SUMMARY

	FY 2018	FY 2019	\$ Change	% Change
Salary	\$67,181,005	\$71,361,075	4,180,070	+6.2
Current Expense	215,892,460	220,024,685	4,132,225	+1.9
Equipment	1,450,000	0	-1,450,000	-100.0
TOTAL	284,523,465	\$291,385,760	6,862,295	+2.4

ENV FY 2019 SALARIES

	FY2018	FY 2019	\$ Change	% Change
Administration	\$2,531,149	\$2,587,361	+56,212	+2.2%
Environmental Quality	5,095,483	5,330,060	+234,577	+4.6%
Collection Syst Maintenance	12,475,342	13,055,832	+580,490	+4.7%
WW Treatment and Disposal	22,781,274	23,560,158	+778,884	+3.4%
WW Engineering and Construction	0	1,393,191	+1,393,191	
Refuse	24,297,757	25,434,473	+1,136,716	+4.7%
TOTAL	\$67,181,005	\$71,361,075	+4,180,070	+6.2%

Department of Environmental Services
Special and Grant Funded Vacancies
(Budgeted in Agency Salaries)

	<u>Positions</u>
Vacant Positions as of 2/1/2018	216
Disposition of funded vacancies:	
To be filled before July 1, 2018	115
To be filled in FY 2019	87

Department of Environmental Services
General/Highway/Subsidized Funded Vacancies
(Budgeted in Provision for Vacant Positions)

	<u>Positions</u>
Vacant Positions as of 2/1/2018	40
Disposition of funded vacancies:	
To be filled before July 1, 2018	31
To be filled in FY 2019*	9

**Funding in the Provision for Vacant Positions account has been reduced*

ENV FY 2019 CURRENT EXPENSE

DIVISION	FY 2018	FY 2019	\$ Change	% Change
Administration	\$8,802,000	\$8,910,295	+108,295	+1.2%
Environmental Quality	4,805,760	4,301,025	-504,735	-10.5%
Collection System Maintenance	13,193,450	13,809,000	615,550	+4.7%
WW Treatment and Disposal	51,139,858	52,343,705	+1,203,847	+2.4%
WW Engineering and Construction	0	1,010,600	+1,010,600	
Refuse	137,951,392	139,650,060	+1,698,668	+1.2%
TOTAL	\$215,892,460	\$220,024,685	+4,132,225	+1.9%

FY 2019 DEPARTMENT OPERATING EQUIPMENT

	FY 2018	FY 2019	\$ Change
Refuse	\$1,450,000	0	-1,450,000
TOTAL	\$1,450,000	0	-1,450,000

SOLID WASTE

OPERATING BUDGET APPROPRIATION

SOLID WASTE FUND	FY18	FY19	% CHANGE
Operations	\$164,500,738	\$165,457,153	+0.6%
Non-Salary Personnel Costs	20,509,284	21,222,000	+3.5%
Provision for Vacant Positions	2,675,946	3,002,618	+12.2%
Debt Service(GO Bonds)	41,142,980	43,502,494	+5.7%
Support by Other City Agencies	21,216,716	21,721,530	+2.4%
SUB-TOTAL	250,045,664	254,905,795	+1.9%
LEGISLATIVE	13,200	13,500	+2.3%
TOTAL	250,058,864	254,919,295	1.9%

WASTEWATER

OPERATING BUDGET APPROPRIATION

SEWER FUND	FY 18	FY19	% Change
Operations/Related Costs	\$120,022,727	\$125,928,607	+4.9
Non-salary Personnel Costs	26,961,624	32,412,000	+20.2
Provision for Energy Cost	1,500,000	1,500,000	0.0
Provision for Vacant Positions	1,475,982	159,250	-89.2
Debt Service (GO Bonds)	2,115,209	1,046,684	-50.5
Debt Service (Revenue Bonds)	172,227,000	186,940,000	+8.5
Support by Other City Agencies	23,511,432	24,593,332	+4.6
SUBTOTAL	347,813,974	372,579,873	+7.1
LEGISLATIVE	65,000	66,500	+2.3
TOTAL	347,878,974	372,646,373	+7.1

SOLID WASTE REVENUES

Revenue	FY 18 Estimate Operating Budget	FY 19 Estimate Operating Budget	% Change
- Tip Fees – Private Direct (H-Power)	\$30,000,000	\$31,000,000	+3.3
Tip Fees – Other (H-Power)	21,000,000	22,500,000	+7.1
- Electrical Energy (H-Power)	72,000,000	73,500,000	+2.1
- Investments	432,000	888,660	+105.7
- Disposal Charges (Landfill/Transfer Stations)	11,300,000	8,800,000	-22.1
- Other Revenue	1,019,600	994,600	-2.5
- Residential Collection (General Fund)	101,037,837	117,361,418	+16.2
Residential Collection Fee	0	5,805,000	
TOTAL	236,789,437	260,849,678	+10.2

WASTEWATER REVENUES

	FY 18 Estimate Operating Budget	FY 19 Estimate Operating Budget	% Change
Sewer Service Charges	\$448,651,850	\$451,041,100	+0.5
System Facility Charges	10,902,400	10,902,400	0.0
Investments	4,178,000	7,739,161	+85.2
Others	5,904,211	5,794,698	-1.9
TOTAL	469,636,461	475,477,359	+1.2

Mahalo.

Questions?